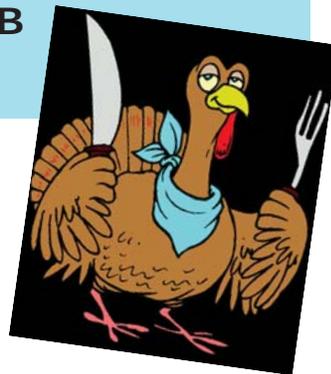


CULVER CITY ROCK AND MINERAL CLUB
P.O. BOX 3324 Culver City, CA 90231



NOVEMBER 2014



Monday, November 10, 2014

6:30 pm Executive Meeting

7:30 pm General Meeting and Program:

"MOROCCAN MINERAL AND FOSSIL COLLECTING"

NOVEMBER 10 PROGRAM

Join us November 10th to learn the mysteries of Moroccan mineral and fossils. Aaron Miller will share his adventures, show us videos of his trips to the quarries and other local mines and tell us about the unique minerals and fossils that come from Morocco. Aaron visits Morocco once or twice a year, spending weeks to over a month at a time in the country. Native Moroccan minerals, crystals, specimens and fossils will be on display and some available for purchase.

Ancient Earth Trading Co, owned and Operated by Aaron Miller and his wife Rachel, has been an importer and supplier of Moroccan minerals and fossils to



businesses around the world since 2004. In 2013 Aaron and Rachel opened a retail shop in Cambria, California on Highway 1, south of Big Sur. The shop showcases years of their import/export from Morocco, as well as a museum display of California fossils and minerals, all self-collected! Aaron hosts two websites aetradingco.com and trilobites.info

Charlene Aspray
Program Chair

PRESIDENT'S MESSAGE

I'd like to thank Jette Sorensen for putting together a good slate of prospective officers for our elections this month. And thanks to those members who have stepped up to make a commitment to help guide our club through 2015. Healthy and active clubs exist because of the efforts and imagination of their leaders.

Thanksgiving is upon us in just a couple weeks. For those looking for an interesting rockhounding trip, the annual CFMS trip to the highly mineralized Wiley's Well area is a must-do. You can overnight in Blythe or camp out with a good crowd that gathers around the turnoff to the Hauser Geode beds. Look for announcements on LA-Rocks or go to the CFMS site at cfmsinc.org for all the details.

The fall show season is here, and there's a little voice in the back of my head starting to remind me to finish up work on a number of projects for the holidays. The deadlines sneak up on you all too quickly. So that's all for now. It's time to get into the shop and get back to work.

Brad Smith
President

2014 HOLIDAY PARTY

December 8th from 6pm to 9pm - Culver City Rotary Plaza - 5100 Overland Ave (corner of Virginia Ave) - the same place we have been using for several years. Come and join us for an evening of celebration

**POT LUCK DINNER • INSTALLATION OF NEW OFFICERS AND CHAIRPERSONS
THE FAMOUS WHITE ELEPHANT GRAB BAG**

The club, as usual, will provide turkey, ham and limited soft drinks with the members bringing all the yummy side dishes and desserts. For all who wish to participate please bring a wrapped gift for the White Elephant Grab Bag which is always a good time. No liquor is allowed and we will have to exit the CCRP by 9:00 P.M. per the Rotary Plaza request. Please contact Mary Ellen Shaffer (310-391-8429) as we need volunteers to help set up at 5:00 PM. or let us know at the November meeting.

ELECTION FOR 2015

The annual election will be held as part of the November 10th membership meeting. Following are the slates of individuals running. We tried to get a bunch of new people to serve as elected officers or committee chairs with very (and I mean VERY little) success. Only three members who hasn't served before stepped up to the plate for this coming year.

BOARD OF DIRECTORS

Current President plus

2015	Jette Sorensen	Rick Shaffer
2016	Leda Rogers	Steve Dover
2017	OPEN*	OPEN*

* Nominees for the Board of Directors shall have served as elected officers for at least one year.

ELECTED OFFICERS:

President	Darrell Robb
Vice President	Jette Sorensen
Treasurer	Fanne Einberg
Recording Secretary	Ana Maria Guimaraes
Corresponding Secretary	Jan Ferguson
Historian	Bruce Mensinger
Parliamentarian	Seeking replacement or assistant Ellen Moe

COMMITTEES:

Education	Christina Maria Grande
Federation Director	Rick Shaffer
Field Trip Chair	OPEN
Librarian	Bruce Mensinger
Membership	Felice Ganz
Mineral Chair	Minda Moe
Photography	Bruce Mensinger
Publications	Co-Editors Barbara Fier and Jan Ferguson and Jette Sorensen
Publicity	Janice Metz
Show Chair	Brad Smith
Shop Committee	Per by-laws
Social Chair	Grace Sato
Co-chair	Joyce Watanabe
Sunshine	Leda Rogers
Trading Post	Steve Dover
Web Master	Jette Sorensen

We need an infusion of new blood in running the club. We greatly appreciate the assistance we get from members as volunteers at the show and a few of the other functions we have, but we need to give the people who has been officers for years and years a chance to relax.

SHOP NEWS

Shop Schedule

The shop will be open as scheduled this month except some Wednesdays and Thanksgiving day. Continue to check our website for closures and time changes at [HTTP://www.culvercityrocks.org](http://www.culvercityrocks.org) or call the shop (310-836-4611) after the scheduled opening time to confirm that an instructor has arrived.

Equipment Availability

The large flat lap now has a hood around the on-off switch, made and donated by Mike Halahan. Previously this machine's switch-handle was exposed, protruding from the front of the unit. This made it vulnerable to accidental actuation. Normally this was not a problem. However, because of the popularity of the adjacent machines and the lack of convenient places to keep work within easy reach, the large lap disk is frequently used as a convenient place to put stones, tools and odds-and-ends. This is especially important to - and appreciated by - members with limited mobility. Now, with the switch hood in place the chance of accidental actuation is reduced without significant inconvenience to users of the large flat lap.

As of October 14th (when I was last at the shop before writing this report) all shop equipment is in good working order and ready for you to use.

Limited parking in back of the shop is open for use. Park on the asphalt, off the alley concrete to avoid a parking citation. Please respect the space reserved for the shop instructor next to the paddle-tennis court.

On behalf of the Shop Committee
Bruce Mensinger

MINERAL REPORT

DEEP BENEATH OUR FEET

It's one of the primary components of the Earth's mantle, which sometimes is called by different names based on its gem quality. When it is gem quality, it goes by the names peridot or chrysolite. It is associat-

Continued page 3

ed with both igneous and metamorphic rocks.

Olivine is generally yellow to yellow-green in color, with no streak, as it is harder than a streak plate. It is a 6.5 or 7 on the Mohs scale of hardness, with a vitreous luster and poor cleavage.

Compositionally, olivine is commonly expressed in molar percentages of its main endmembers, forsterite and fayalite. Forsterite is very magnesium rich, while fayalite is heavy in iron. These are the end members of the solid-state solution of olivine, which deals with solutes in a solvent. Forsterite has a very high melting point, almost 1900 °C, while fayalite's melting point is around 600° lower.

Olivine and some of its high pressure structural variants make up over 50% of the Earth's upper mantle. It is thought to be the most abundant mineral in Earth's upper mantle, so its properties have a major influence on the solid flow that drives plate tectonics. Magnesium-rich olivine has been discovered in meteorites, the Moon, Mars, and in the dust of some comets and asteroids.



It is one of the weaker surface minerals, as it readily weathers to iddingsite. In the context of planetary geology, the presence of iddingsite on Mars could indicate that there was once liquid water on its surface. This process could allow scientists to determine the latest existence of liquid water on Mars.

Olivine is used as sand in the aluminum casting pro-

cess. In Finland, olivine is considered an ideal rock for sauna stones, due to its high melting point. In the steel industry, it is used to tap blast furnaces. Scientists are looking into using olivine to sequester CO₂.

Minda Moe

Mineral Chair

Reporting from UC Davis

PROGRAM REPORT

Our October speaker, Stan Sholik, was introduced by the Program Chair, Charlene Aspray and by Ken Rogers, who has been Stan's friend for years and had encouraged him to put this program together for our club. Stan Sholik is a professional photographer and an author. His presentation covered all aspects of how any ordinary club member could improve their close-up/macro photography of their specimens and jewelry creations.

He discussed how each new subject is a challenge and a problem solving task. The photographer has to understand what he has and decide how to highlight the best aspects of the subject. He presented examples of his past work of high-end jewelry and explained how he chose the lighting, backgrounds and set-ups. He would explain his decision process for choosing surfaces like black glass, white or black plexiglass or velvet and show what aspects of the final shot were achieved with Photoshop post-processing.

Stan took a series of new photographs using crystals, minerals and gemstones supplied by Cam's Crystal Gallery and Ethiopian Imports. For most of these examples, he showed the side-by-side progression as he varied the lighting and/or surfaces. He also explained how he improves the original photograph with computer processing to add reflections, mask out incidentals like the museum wax and to add a graduated background in tones that enhance the natural beauty of the subject.

Stan showed us his professional work set-up which included not only very expensive lighting but also

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PROGRAM REPORT continued

miscellaneous, simple items like white cards he uses as masks to prevent unwanted glares on crystal faces. He then went into detail on what items a beginner could use in a home studio, from camera to tripod to lighting (including several different light boxes) and suggestions for photo-imaging software. Stan was kind enough to provide “What you will need,” a list of equipment for inclusion here, see box below.

Stan stressed how patience was a key ingredient to good photography: how he looks at multiple angles of each subject, then fine tunes the lighting to get the most pleasing contrast and finally digitally manipulates the photograph, even sometimes combining multiple shots to achieve the best way to convey the beauty the mineral specimen or item of jewelry.

WHAT YOU WILL NEED

Camera and lens	Any digital camera, from a camera phone to a digital SLR
Tripod	Heavy enough to hold your camera steady
Artificial lighting	Continous
	Compact fluorescent
	Tungsten
	Electronic flash with modeling light
Diffusion for lighting (usually needed)	
Computer	Mac or Windows
Photo imaging software	Adobe Photoshop Elements - Mac and Windows
	ACDSee Pro - Mac and Windows
	Corel Paintshop Pro - Windows
	Apple Aperture - Mac
Other stuff	Backgrounds, necklace forms, museum wax, etc

Submitted by Ellem Moe
Substitute Recording Secretary

MINUTES of the GENERAL MEETING October 13, 2014

- The meeting was called to order by Steve Dover at 7:30 pm. The pledge of allegiance was recited and a quorum was established.
- Guests: 13 guests were welcomed. Steve Dover encouraged everyone present to sign in since

GENERAL MEETING REPORT continued

there would be two free raffles during the break: one for guests and one for members. There would also be tickets on sale for the Trading Post raffle.

- The minutes of the general meeting on September 8, 2014, were approved as published in the Nugget.
- Jette Sorensen presented the slate of nominations for the 2015. Leda Rogers requested that new members step up and volunteer for the vacant offices and/or to assist the nominated offices and chairs. Bruce Mensinger added that the majority of the job positions do not require extensive or onerous work. Jette specifically requested volunteers for the Education Committee, for Field Trip Coordinator, to assist the Historian and to assist the Trading Post. There were no additional volunteers.
- Mary Ellen Shaffer announced that the Holiday Party would be held on Monday, December 8, 2014 at the Culver City Rotary Plaza. The traditional format would be followed with a pot luck supper where the club provides the ham and turkey and a voluntary White Elephant gift exchange.
- Ken Rogers announced that the Bead Society Show was on Sunday, October 26, 2014 in the Culver City Veterans Auditorium and that the club would have a demonstration table.

The meeting was adjourned at 7:40 pm.

MINUTES of the EXECUTIVE MEETING October 13, 2014

- Those present: Steve Dover, Felice Ganz, Lynne Lukert, Bruce Mensinger, Ellen Moe, Leda Rogers, Mary Ellen Shaffer, Rick Shaffer and Jette Sorensen.
- The meeting was called to order at 6:43 pm by Steve Dover.
- The September executive meeting minutes were approved as published in the October Nugget.
- 2015 Officers Slate: The slate of nominees was presented by the Nomination Committee, Jette Sorensen. There are still no volunteers for the chairs of Education or Field Trips. Bruce Mensinger volunteered to continue as Historian but requested volunteers to help organize the historical records and pictures stored at his house. There was a

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discussion whether the volunteer for the treasurer needed to have a credit check run or to be bonded. It was generally concluded that this was not needed since this had not been done before and since two signatures are required for any checks.

- The Board of Directors: Ellen Moe (2014) Bruce Mensinger (2014) Jette Sorensen (2015) and Rick Shaffer (2015) called for a formal outside audit to be completed by the end of the year. Mary Ellen Shaffer did not know if the woman who had previously done the club audits was still in business but she would provide the name and contact information to the treasurer Darrell Robb. It will be the responsibility of the treasure to arrange for the audit and to provide the report to the Board of Directors and Executive Committee.
- Holiday Party: The was extended discussion about the White Elephant gift exchange held at the party. A motion was made by Steve Dover and seconded by Ellen Moe that new rules for the gift exchange would include a minimum value of \$10, that the donator of the gift put their name on the inside of the gift, that the gift be opened when selected and that the number of steals be limited to 2 times. This motion was defeated: 2 for, 7 against. A second motion was made by Jette Sorensen and seconded by Rick Shaffer that the gift should have a minimum value of \$10, no name of the giver be required and that all gifts would be opened after the last had been selected. This motion was also defeated: 4 for, 5 against. The gift exchange will therefore continue with the same rules as before: participation is voluntary, no minimum value is required and the gifts will not be opened until the end.
- Membership Report: there are 155 paid members and a new source for the club badges has not been secured yet.
- Library Report: Bruce Mensinger announced that he would buy the book from today's speaker to be put into the club library.
- Wireless Microphone: Mary Ellen and Rick Shaffer had located a wireless microphone and speaker on sale at Costco for under \$200. A motion was made and seconded that this be purchased for trial at the next meetings. The motion passed unanimously.
- The meeting was adjourned at 7:27 pm.

NOVEMBER BIRTHDAYS

Kathy Mainzer	11/7
Randal Rhodes	11/9
Rose Klapman	11/13
Gary Mitchell	11/14
Marc P. Brown	11/19
Azalea J. Lee	11/19
Ruth Shapiro	11/21
Ramona Jones	11/23
Hellena Jones Elbling	11/23
Charlene E. Aspray	11/24
Sarah Nilsen	11/29

Happy Birthday

MEMBERSHIP REPORT

Welcome to our newest members:

Adrienne Louie
 Chris Shi
 Elizabeth Tagg
 Andreas Hoenigschmid

BENCH TIPS

SOURCE FOR PLASTIC

We often use plastic in our studios, like for a single part die or for a template. So it's handy to have a small supply along with the rest of your sheet, wire, copper and bronze. But we seldom think to buy and stock any plastic.

The plastics store I go to has a scrap bin out back where they give away small pieces and scraps. I usually opt for the 3/8 and 1/2 inch thicknesses for use as forming dies, but there's always a variety of sizes and colors to choose from including thin sheets that are good for templates.

You can find a shop with Google or the Yellow Pages. Next time you go to your local shop, it's worth asking to see if they have a scrap bin.

SMALL PARTS CONTAINERS

I'm always on the lookout for small containers to use

Continued page 6

BENCH TIPS continued

for holding those various little parts and tools we deal with in making jewelry, especially since I go back and forth to classes and workshops. My latest find are some plastic vials about 15 mm in diameter and 75 mm long. Best part is they are free.

The vials are used in hospitals and doctor's offices to draw blood samples. They must be thrown out after their expiration date. On my last doctors visit, I asked the nurse if they had any expired vials. She tried to give me 400 of them. We settled on 200.

The ones I have are called "Vacutainers", but there are probably other brand names.

They are sterile and made of clear plastic with a rubber stopper and a paper label all ready to write on. I find them really handy for small



parts like jump rings, prong settings, small drills, nuts & bolts, faceted stones, and precious metal filings.

Also shown are some other handy containers - pill bottles, the old 35mm film cans, and metal breath mint boxes.

Brad Smith

Author of "Bench Tips for Jewelry Making"

UPCOMING WORKSHOPS

Check culvercityrocks.org for more

November 1 Bracelet - emboss, colorize, make clasp

November 8 Make a beaded bead

December 13 - Silver Filigree

UPCOMING SHOWS

November 1 - 2: CONCORD, CA

Contra Costa Mineral & Gem Society

Centre Concord

5298 Clayton Road (near Ygnacio Valley Rd.)

Hours: 10 - 5 daily

Website: www.ccmgs.org/gem_show

November 1 - 2: OXNARD, CA

Oxnard Gem & Mineral Society

Oxnard Performing Arts Center

800 Hobson Way

Hours: Sat. 9 - 5; Sun. 10 - 4

Website: www.oxnardgem.com

November 1 - 2: RIDGECREST, CA

Indian Wells Gem & Mineral Society

Desert Empire Fairgrounds

520 S. Richmond Road

Hours: 9 - 5 daily

Website: www.indianwells.weebly.com

November 8 - 9: ANAHEIM, CA

American Opal Society, Garden Grove

The Phoenix Club - Festhalle

1340 S. Sanderson Ave.

Hours: Sat 9 - 6; Sun 9 - 5

Website: www.opalsociety.org

November 8 - 9: SACRAMENTO, CA

Sacramento Mineral Society

Scottish Rite Temple

6151 H Street

Hours: Sat 10 - 5; Sun 10 - 4

Website: sacgemshow.com

November 8 - 9: YUBA CITY, CA

Sutter Buttes Gem & Mineral Society

Yuba-Sutter Fairgrounds - Franklin Hall

442 Franklin Avenue

Hours: Sat 10 - 5; Sun 10 - 4

Website: www.sutterbuttes.net

November 14 - 16: EUREKA, CA

Humboldt Gem & Mineral Society

Redwood Acres Fairgrounds

3750 Harris Street

Hours: Fri 9 - 6, Sat 10 - 6, Sun 10 - 5

November 15 - 16: APPLE VALLEY, CA

Valley Gem Gem & Mineral Club

Victor Valley Museum

11873 Apple Valley Road

Hours: Sat 9 - 5; Sun 9 - 4

Website: www.vvgmc.org

November 22 - 23: SANTA CRUZ, CA

Santa Cruz Mineral & Gem Society

Winter Sale

Live Oak Grange Hall, 1900 17th Avenue

Hours: 10 - 5 daily

Website: www.scmgs.org

The purpose of the CULVER CITY ROCK & MINERAL CLUB is to bring together persons interested in the earth sciences, to engage in research and study in this realm, and to assist members in the collection and preservation of rocks and minerals and in the study of lapidary and related arts
<http://www.culvercityrocks.org>

Officers for 2014

- President - Brad Smith
- Vice President - Steve Dover
- Treasurer - Darrell Robb
- Recording Secretary - Ana Maria Guimaraes
- Corresponding Secretary - Rick Shaffer
- Education - Joe Porrazzo
- Federation Director - Ellen Moe
- Field trips - Co-Chairs Rocky and Cole Rhodes
- Historian - Bruce Mensinger
- Librarian - Bruce Mensinger
- Membership - Felice Ganz
- Minerals - Minda Moe
- Parliamentarian - Jette Sorensen
- Photography - Bruce Mensinger
- Programs - Charlene Aspray
- Publications - Lynne Lukert
- Co-Chairs Barbara Fier and Jan Ferguson
- Publicity: Janice Metz
- Show - Brad Smith (Acting Show Chair)
- Shop Committee (President, Vice President, Committee members)
- Social - Mary Ellen Shaffer
- Co-Chair Grace Sato
- Sunshine - Leda Rogers
- Trading Post - Steve Dover, Co-Chair Minda Moe
- Web Master - Jette Sorensen

Board of Directors:

- Ellen Moe (2014)
- Bruce Mensinger (2014)
- Jette Sorensen (2015)
- Rick Shaffer (2015)

Where to contact us:

- Phone: (310) 836-4611
- Snail Mail address: P.O. Box 3324
Culver City, CA 90231
- Web page: culvercityrocks.org
- FaceBook: [facebook.com/CCRMC](https://www.facebook.com/CCRMC)
- Twitter: twitter.com/culvercityrocks
- Yahoo Group: groups.yahoo.com/neo/groups/ccrhc/info

MEETING SCHEDULE

General Meetings are held the second Monday of every month* at 7:30 p.m. in the Multi-Purpose Room in the Veterans Bldg., 4117 Overland Ave. Enter from the rear door. Guests are always welcome.

Executive Committee Meetings are held the second Monday of every month* at 6:30 p.m. in the Multi-Purpose Room in the Veterans Bldg. Auditorium. All club members are welcome.

*Meeting days occasionally change due to federal holidays or in July, because of the Fiesta Of Gems show.

DUES & FEES

One time Initiation Fees:

Individuals	\$20.00
2 Persons/Same Address	\$25.00
Juniors	\$15.00

Yearly Membership Dues:

Individuals	\$25.00
2 Persons/Same Address	\$35.00
Juniors	\$10.00

(After July 1, dues are \$15.00, \$25.00 and \$5.00 respectively.)

SHOP INFORMATION

The shop is open to all members in good standing over the age of 18 who sign an indemnification form. Junior members (13 - 18) must be accompanied by an adult. Instruction is available at all sessions. Practice slabs are available.

Location: 10866 Culver Blvd. in Culver City (behind the Boy Scout clubhouse and next to the paddle tennis courts)

Shop Phone: (310) 836-4611

Hours:

- Tuesday 7 – 9:30 pm - Bruce Mensinger
- Wednesday 10 am – 2 pm - By appointment, check website for availability
- Thursday 10 am – 2 pm - Woody Shaffer
- Saturday Noon – 4 pm - Lynne Lukert
- Sunday Noon – 4 pm - Rick Shaffer

If no one shows, the shop may close early. If you plan to arrive more than a half hour after the opening time, phone the instructor

The Nugget

The deadline for all submissions is generally the 15th of every month. All articles or notes without a byline are written by the Editor. Permission to copy is freely given as long as proper credit is noted.

The Nugget accepts paid advertisements. The cost for an eighth of a page (approx. 2" high x 3.5" wide) is \$7 per insertion, payable in advance. Ad location is at the discretion of the Editor. Ad layouts, copy, or business cards must be received by the 10th of the month. Send materials to Culver City Rock and Mineral Club, P.O. Box 3324, Culver City, CA 90231,



the NUGGET

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CULVER CITY ROCK & MINERAL CLUB, INC.
CR&MC

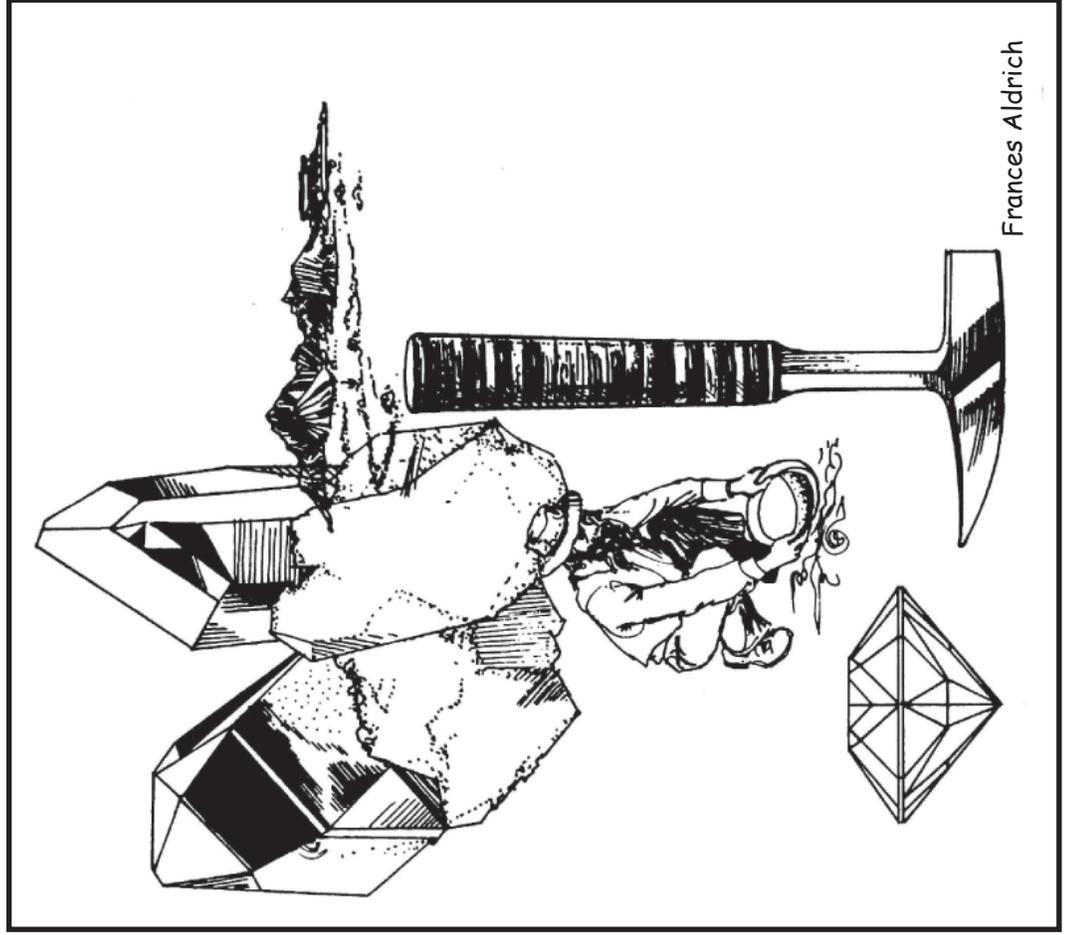
CULVER CITY, CALIFORNIA, USA

FIRST CLASS

CULVER CITY ROCK & MINERAL CLUB

Address Change Requested

The Nugget
P.O. Box 3324
Culver City, CA 90231



Frances Aldrich